

Amendments to the Claims

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A composition having formula I or II:



wherein:

X₁ is from zero to twenty natural or synthetic amino acids;

P is ~~a peptide having~~ the amino acid sequence Gly-Pro-Arg (SEQ ID NO: 1), ~~or an analog or a peptide fragment thereof;~~

X₂ is from zero to twenty natural or synthetic amino acids;

Z is a linker comprising one or more natural or synthetic amino acids; and

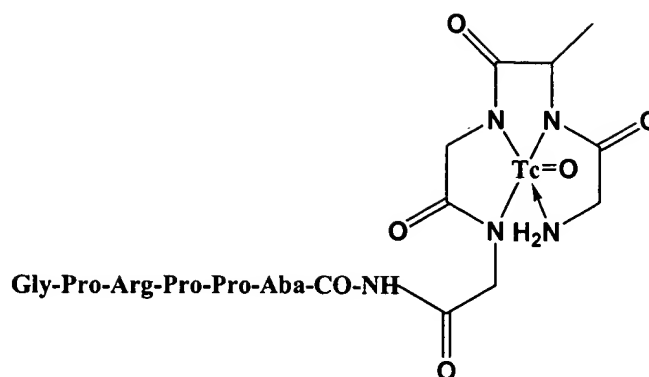
M is a radiolabeling moiety comprising a ~~peptide~~ tetrapeptide chelating moiety that complexes ~~capable of complexing~~ with a selected radionuclide in an N₄ configuration.

Claim 2 (cancelled).

Claim 3 (original): The composition according to claim 1, wherein the radiolabeling moiety is complexed to the radionuclide.

Claim 4 (original): The composition according to claim 3, wherein the radionuclide is technetium-99m.

Claim 5 (previously presented): The composition according to claim 3, having the formula:



Claim 6 (previously presented): The composition according to claim 1, wherein M comprises Gly-(D)-Ala-Gly-Gly (SEQ ID NO:4).

Claim 7 (original): A method of imaging mammalian cells or tissue, comprising administering a diagnostically effective amount of the composition of claim 1 to a mammal at a target site and detecting the composition at said target site.

Claim 8 (previously presented): The method of claim 7, wherein said target site is a mammalian thrombus.

Claim 9 (previously presented): A method of imaging a thrombus in a mammal, comprising:

- (a) administering a diagnostically effective amount of a composition according to claim 1 that binds to fibrin; and
- (b) detecting said composition at said thrombus.